## October Test 1

**1.** **Choose the correct answer.** (5 marks)

**a.** Which number of the following has 3 hundredths , 7 ones , 2 thousandths ?

    **A.** 0.732     **B.** 3.72     **C.** 7.032     **D.** 3.702

**b.** The L.C.M of 5 and 6 is ————

    **A.** 20     **B.** 24     **C.** 30     **D.** 40

**c.** 174.602 = 174 + ————

    **A.** 6.02     **B.** 0.602     **C.** 602     **D.** 60.2

**d.** 7 Tenths − 7 Thousandths = ————

    **A.** 0.693     **B.** 0.63     **C.** 6.3     **D.** zero

**e.** All the following are equal except ————

    **A.** 0.300     **B.** 0.3     **C.** 0.003     **D.** 0.30

**2.** **Complete.** (5 marks)

**a.** If $x + 52.89 = 62.90$ , then $x =$ ————

**b.** The smallest odd prime number is ————

**c.** $2.416 \times 10 =$ ————

**d.** The value of the digit 5 in the number 31.25 is ————

**e.** $21.729 \approx$ ———— (to the nearest Tenth)

**3.** **a.** **Find the result of each of the following.** (2 marks)

    **1.** 17.3 + 4.6         **2.** 12.74 − 0.359

**b.** Mazen had 35 L.E. He bought a ball for 9.75 L.E. and a book for 8.4 L.E.
How much money was left with Mazen ? (3 marks)

## October Test 2

**1. Choose the correct answer.** (5 marks)

a. $72.43 \div 10 =$ _____

   **A.** 7.243      **B.** 72.34      **C.** 7,243      **D.** 724.3

b. The common factor of all numbers is _____

   **A.** 0      **B.** 1      **C.** 2      **D.** 3

c. Which of the following is an expression ?

   **A.** $2.36 + X = 14.78$      **B.** Sara saved 20 L.E per day

   **C.** $13.15 + 2.8 - X$      **D.** $1.75 + 1.25 = 2.1 + 0.9$

d. $39.999 \approx$ _____ [to the nearest Hundredth]

   **A.** 39      **B.** 40      **C.** 39.9      **D.** 39.99

e. $1.7 + 0.2$ ☐ $1.33 + 0.51$

   **A.** <      **B.** =      **C.** >

---

**2. Complete.** (5 marks)

a. $70.106 = 70 + 0.1 +$ _____

b. 5 Hundredths − 24 Thousandths = _____ Thousandths.

c. $458.2 \div 100 =$ _____

d. In 734.28 , the digit 2 is in the _____ place. Its value is _____

e. The number whose all prime factors are 2 , 3 and 5 is _____

---

**3. a.** The weight of Noha is 35.275 kg and the weight of Hala is 42.012 kg (2 marks)

   What is their weight together ?

_____

**b.** Find the G.C.F and L.C.M for 12 and 10 (3 marks)

_____

_____

_____

**October Test** **3**

Total mark

**15**

**1.** **Choose the correct answer.** (5 marks)

a. The L.C.M of 3 and 7 is ————

    **A.** 1         **B.** 21         **C.** 37         **D.** 73

b. The smallest prime number is ————

    **A.** 0         **B.** 1         **C.** 3         **D.** 2

c. $724.3 \div 100 =$ ————

    **A.** 7.243         **B.** 72.34         **C.** 7,243         **D.** 724.3

d. Which of the following is not an expression ?

    **A.** $x + 0.8 - 1.6$     **B.** $3.25 + x + 5.55$     **C.** $3.6 - x = 1.54$     **D.** $2.36 + 1.5 - x$

e. 5.65 ☐ 56.5

    **A.** >         **B.** =         **C.** <

**2.** **Complete.** (5 marks)

a. $3.9 + 1.26 =$ ————

b. $17.5 - 8.36 =$ ————

c. $21.316 \approx$ ———— [to the nearest Hundredths]

d. The place value of the digit 3 in the number 15.263 is ————

e. The first four multiples of 5 are ———— , ———— , ———— and ————

**3.** a. Write the greatest decimal less than one which consists of 6 , 4 , 3 and 5 , then round it to the nearest Tenths and Thousandths. (3 marks)

————————————————————

————————————————————

————————————————————

b. **Solve the following equations.** (2 marks)

    **1.** $8.2 + p = 10.4$         **2.** $k - 6.82 = 3.11$

————————————————————

————————————————————

————————————————————

# Mathematics

## Test 1

Total mark
15

**1** **Choose the correct answer :** (5 marks)

**1** Which number of the following has 3 hundredths , 7 ones , 2 thousandths ?

(a) 0.732     (b) 3.72     (c) 7.032     (d) 3.702

**2** The LCM of 5 and 6 is ⋯⋯⋯⋯⋯⋯⋯

(a) 20     (b) 24     (c) 30     (d) 40

**3** $174.602 = 174 +$ ⋯⋯⋯⋯⋯⋯

(a) 6.02     (b) 0.602     (c) 602     (d) 60.2

**4** 7 tenths − 7 thousandths = ⋯⋯⋯⋯⋯⋯⋯

(a) 0.693     (b) 0.63     (c) 6.3     (d) zero

**5** All the following are equal except ⋯⋯⋯⋯⋯⋯

(a) 0.300     (b) 0.3     (c) 0.003     (d) 0.30

**2** **Complete :** (5 marks)

**1** If $X + 52.89 = 62.90$ , then $X =$ ⋯⋯⋯⋯⋯⋯⋯

**2** All the factors of 15 are ⋯⋯⋯⋯⋯⋯

**3** $2.416 \times 10 =$ ⋯⋯⋯⋯⋯⋯

**4** The value of the digit 5 in the number 31.25 is ⋯⋯⋯⋯⋯⋯

**5** $21.729 \approx$ ⋯⋯⋯⋯⋯⋯ (to the nearest Tenth)

**3** **[a]** Find the result of each of the following. (2 marks)

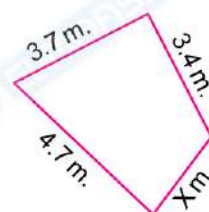**1** $17.3 + 4.6$        **2** $12.74 - 0.359$

**[b]** If the perimeter of this shape is 16.9 meters , what does X equal ? (3 marks)

## Test 2

**1** **Choose the correct answer :** (5 marks)

1 $72.43 \div 10 =$ ⋯⋯
(a) 7.243  (b) 72.34  (c) 7243  (d) 724.3

2 The common factor of all numbers is ⋯⋯
(a) 0  (b) 1  (c) 2  (d) 3

3 Which of the following is an expression ?
(a) $2.36 + X = 14.78$  (b) Sara saved 20 L.E per day
(c) $13.15 + 2.8 - X$  (d) $1.75 + 1.25 = 2.1 + 0.9$

4 $39.999 \approx$ ⋯⋯ [to the nearest Hundredth]
(a) 39  (b) 40  (c) 39.9  (d) 39.99

5 $1.7 + 0.2$ ☐ $1.33 + 0.51$
(a) <  (b) =  (c) >

**2** **Complete :** (5 marks)

1 $70.106 = 70 + 0.1 +$ ⋯⋯

2 5 Hundredths – 24 Thousandths = ⋯⋯ Thousandths.

3 $458.2 \div 100 =$ ⋯⋯

4 In 734.28 , the digit 2 is in the ⋯⋯ place. Its value is ⋯⋯

5 The number whose all prime factors are 2 , 3 and 5 is ⋯⋯

**3** **[a]** The weight of Noha is 35.275 kg. and the weight of Hala is 42.012 kg.
What is their weight together ? (2 marks)

**[b]** Find the GCF and LCM for 12 and 10 (3 marks)

# Test 3

## 1 Choose the correct answer : (5 marks)

1 For the equation : $7.325 - X = 4.127$ , which of the following part – to – whole bar model is suitable ?

| a | X | |
|---|---|---|
| | 7.325 | 4.127 |

| b | 7.325 | |
|---|---|---|
| | X | 4.127 |

| c | 4.127 | |
|---|---|---|
| | 7.325 | X |

| d | X | |
|---|---|---|
| | 4.127 | 3.198 |

2 The smallest prime number is ⋯⋯⋯⋯⋯⋯⋯

    (a) 0     (b) 1     (c) 3     (d) 2

3 $724.3 \div 100 =$ ⋯⋯⋯⋯⋯⋯⋯

    (a) 7.243     (b) 72.34     (c) 7243     (d) 724.3

4 Which of the following is not an expression ?

    (a) $x + 0.8 - 1.6$     (b) $3.25 + x + 5.55$     (c) $3.6 - x = 1.54$     (d) $2.36 + 1.5 - x$

5 5.65 ☐ 56.5

    (a) >     (b) =     (c) <

## 2 Complete : (5 marks)

1 $3.9 + 1.26 =$ ⋯⋯⋯⋯⋯⋯⋯

2 $17.5 - 8.36 =$ ⋯⋯⋯⋯⋯⋯⋯

3 $21.316 \approx$ ⋯⋯⋯⋯⋯⋯⋯ (to the nearest Hundredth)

4 The place value of the digit 3 in the number 15.263 is ⋯⋯⋯⋯⋯⋯⋯

5 The first four multiples of 5 are ⋯⋯⋯⋯⋯ , ⋯⋯⋯⋯⋯ , ⋯⋯⋯⋯⋯ , ⋯⋯⋯⋯⋯

**3** [a] Omar exercises every 12 days. Rana exercises every 8 days. Both friends exercised together today. How many days will it be until they exercise together again ? Do you have to find the GCF or the LCM ? What is the answer ?          (3 marks)

...................................................................................................................................

...................................................................................................................................

...................................................................................................................................

[b] **Solve the following equations :**          (2 marks)

1 $8.2 + p = 10.4$          2 $k - 6.82 = 3.11$

...................................................................................................................................

...................................................................................................................................

...................................................................................................................................

## Answers of Test 1

**1**  **1** c  **2** c  **3** b  **4** a  **5** c

**2**  **1** 10.01  **2** 1 , 3 , 5 and 15  **3** 24.16  **4** 0.05 or $\dfrac{5}{100}$  **5** 21.7

**3** **[a]** **1**

$$\begin{array}{r} 17.3 \\ +\ 4.6 \\ \hline 21.9 \end{array}$$

**2**

$$\begin{array}{r} {}^{6}\ {}^{13}\ {}^{10} \\ 12.\cancel{7}\ \cancel{4}\ \cancel{0} \\ -\ 0.3\ 5\ 9 \\ \hline 12.3\ 8\ 1 \end{array}$$

**[b]** 3.4 + 3.7 + 4.7 + X = 16.9

11.8 + X = 16.9

X = 16.9 – 11.8 = 5.1 m

## Answers of Test 2

**1**  **1** a  **2** b  **3** c  **4** b  **5** c

**2**  **1** 0.006  **2** 26  **3** 4.582

   **4** tenths , 0.2 or $\dfrac{2}{10}$  **5** 30

**3** **[a]** Their weight = 35.275 + 42.012 = 77.287 kg

**[b]**

$$\begin{array}{l} 12 = 2 \times 2 \times 3 \\ 10 = 2 \qquad\quad \times 5 \\ \hline GCF = 2 \end{array}$$

LCM = 2 × 2 × 3 × 5 = 60
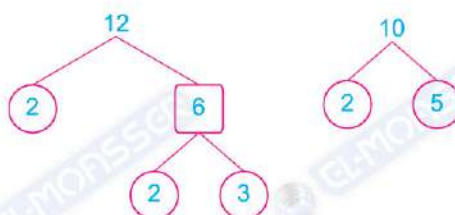


## Answers of Test 3

**1**  **1** b  **2** d  **3** a  **4** c  **5** c

**2**  **1** 5.16  **2** 9.14  **3** 21.32

   **4** thousandths  **5** 0 , 5 , 10 , 15

**3** **[a]** I have to find the LCM :

$$8 \quad = 2 \times 2 \times 2$$

$$12 \quad = 2 \times 2 \qquad \times 3$$

$$\overline{L\,C\,M = 2 \times 2 \times 2 \times 3 = 24}\ \text{, so it will be 24 days.}$$

**[b]** **1** $8.2 + p = 10.4$

$p = 10.4 - 8.2$

$\quad = 2.2$

**2** $k - 6.82 = 3.11$

$k = 6.82 + 3.11$

$\quad = 9.93$

## Assessment 1

**First:** **Complete the following:**

1. The place value of the digit 5 in 6,230.2**5**7 is ............................ .
2. The number 15.892 rounded to the nearest **Hundredth** is ............................ .
3. The prime factors of **18** are ............................ .
4. ............................ is a common multiple of all numbers.

**Second:** **Choose the correct answer:**

1. The value of ............................ increases when multiplying by 10 to 4.25
   - **ⓐ** 425
   - **ⓑ** 42.5
   - **ⓒ** 4.25
   - **ⓓ** 0.425
2. 4.06 = ............................ .
   - **ⓐ** 4 + 6
   - **ⓑ** 40 + 0.6
   - **ⓒ** 4 + 0.06
   - **ⓓ** 10 + 0.06
3. The smallest prime number is ............................ .
   - **ⓐ** 0
   - **ⓑ** 1
   - **ⓒ** 2
   - **ⓓ** 3
4. The GCF for 8 and 12 is ............................ .
   - **ⓐ** 8
   - **ⓑ** 12
   - **ⓒ** 24
   - **ⓓ** 4

**Third:** **Compare using (<, = or >):**

1. 45.6 X 10 ........ 4.56 ÷ 10
2. 7.25 − 3.8 ........ 3.8 + 0.35
3. 78,258.023 ........ 78,258.203
4. 20 + 7 + 0.08 ........ 27 + 0.8

**Fourth:** **Answer the following:**

1. Fares traveled from Cairo to Alexandria via the agricultural road and stopped for a rest in the cities of Tanta and Damanhur. The distance between Cairo and Alexandria is **225** km. The distance between Cairo and Tanta is **100.3**, and the distance between Tanta and Damanhur is **64.7** km. Calculate the distance between Alexandria and Damanhur. ......................................................................................

   ......................................................................................

2. Find The **GCF** and **LCM** for **24** and **16**. Use prime factorization.

   16 = ..........................................

   24 = ..........................................

   ─────────────────────────

   GCF = .......................... = ..............

   LCM = .......................... = ..............

## Assessment 2

### First: Complete the following:

1. All prime numbers are odd numbers, except ................. which is an .......... number.

2. The prime numbers between 20 and 30 are ................. and ................. .

3. $300 + 50 + 0.2 + 0.008 = $ ........................... .

4. Five milliard, thirty thousand and ninety-nine thousandths (**In standard form**):

.......................... .

### Second: Choose the correct answer:

1. The equation that represents [3.5 plus "**m**" equals 8.7] is ........................ .

   **ⓐ** $m - 3.5 = 8.7$   **ⓑ** $m - 8.7 = 3.5$   **ⓒ** $3.5 + m = 8.7$   **ⓓ** $3.5 - m = 8.7$

2. The value of 78.25 is decreased when dividing by 10 to ..................... .

   **ⓐ** 7,825   **ⓑ** 782.5   **ⓒ** 7.825   **ⓓ** 0.7825

3. $502 + 0.2 + 0.005$ ............... $50 + 2 + 0.25$

   **ⓐ** >   **ⓑ** =   **ⓒ** <   **ⓓ** ⩽

### Third: Put (✓) for the correct statement and (✗) for the wrong statement:

1. 8 is a common multiple of 16 and 24.   (     )

2. "$4.5 + 2.3 + y = 15$" is called an equation.   (     )

3. $300 + 50 + 0.2 + 0.003 = 350.203$   (     )

### Fourth: Answer the following:

A class has 16 girls and 12 boys. The teacher wants to divide them into equal groups with the same number of boys and girls. What is the largest number of groups that can be formed? How many boys are in each group? And how many girls are in each group?

.........................................................................................................................

## Model (1)

**1** **Complete each of the following:**

**5**

**a** In the number 675.97 the digit 6 is in the ..................... place. Its value is ..................... .

**b** 0.528 = ..................... tenths, ..................... hundredths, ..................... thousandths.

**c** 427 + 0.08 + 0.006 = ..................... (in the standard form)

**d** The prime factors of 20 are: ..................... , ..................... , .....................

**e** The variable in the equation $x + 5 = 9$ is .....................

**2** **Choose the correct answer:**

**5**

**a** What would the number 3.263 become if it were increased by a factor of 10?

- 3.263
- 0.3263
- 326.3
- 32.63

**b** Five thousand, two hundred and twenty-three thousandths = .....................

- 5,200. 230
- 5,200. 23
- 520.023
- 5,200.023

**c** 381.657 ≈ ..................... ( to the nearest hundredth)

- 381.667
- 400
- 381.66
- 381.60

**d** The GCF for the pair ( 30 , 25 ) is .....................

- 25
- 5
- 10
- 3

**e** ...... is a factor of the number 35

- 2
- 3
- 5
- 6

**3** **Solve each of the following problems:**

**3**

**a** **Estimate using rounding to the nearest hundredths:**

8.321 – 15.369 = .....................

**b** **Estimate the difference using benchmark numbers:**

12.761 – 6.217 = .....................

**4** **Solve the following equation using bar model:**

$3.41 + y = 6.27$

| .................... | |
|:---:|:---:|
| .................... | .................... |

**1** **Complete each of the following:**

( 5 )

**a** In 43,125.86 the digit 8 is in the ........................ place. Its value is ........................ .

**b** Eighty-four thousand and twenty-seven hundredths = ........................ (In the standard form)

**c** The value of the digit 3 in the number 8,476.23 is ........................

**d** ........................ $= 6,000 + 900 + 0.3 + 60 + 0.04 + 6$

**e** The number $8,476.23 \approx$ ........................ ( to the nearest tenths)

**2** **Choose the correct answer:**

( 5 )

**a** 59.16 ........... 59.6

- $<$
- $>$
- $=$
- otherwise

**b** $562.8935 \approx$ ........................(to the nearest thousandth)

- 562.894
- 562.8945
- 562.8935
- 6.000

**c** The sum of 462 and 11.2 has ........................ decimal place(s).

- 1
- 2
- 3
- 0

**d** If $8.675 - Z = 4.72$, then $Z =$ ........................

- 4.603
- 3.955
- 3.950
- 4.955

**e** The LCM of 4 and 8 is ........................

- 4
- 16
- 8
- 24

**3** **Arrange each of the following ascendingly:**

( 2 )

**a** 6.12 , 6.6 , 6.3 , 6.091

........................................................................

**b** Estimate each number by rounding, to nearest tenths, then find their sum:

$2.85 + 3.156 =$ ........................

**4** **Fill in the bar model, then find the solution:**

$2.456 + x = 7.382$

| ...................... | |
|:---:|:---:|
| ...................... | ...................... |

## Model (3)

**1** **Complete each of the following:** ( 5 )

**a** The digit in the hundredths place in the number 638.52 is ............ and its value is ......................

**b** 479.81 ≈ ...................... (to the nearest whole number)

**c** 2 hundredths + 93 thousandths = ...................... thousandths

**d** Nine thousand five hundred thirty-two and four hundred nine thousandths in the standard form is ......................

**e** The GCF of 6 and 10 is ......................

**2** **Choose the correct answer:** ( 5 )

**a** 0.174 ≈ 0.17 to the nearest ......................
- tenth
- hundredth
- hundred
- thousandth

**b** The smallest number in each of the following is ...............
39.02 , 39.2 , 39.210 , 40.0
- 40.0
- 39.210
- 39.02
- 39.2

**c** Which choice represents the correct rounding of 7,999.52 to the nearest ones?
- 7,000
- 8,000
- 7,999
- 8,1000

**d** The LCM for the numbers 12 and 20 is ......................
- 4
- 6
- 20
- 60

**e** The value of M in the equation $M - 2 = 6$ is ......................
- 4
- 5
- 8
- 3

**3** **Find the GCF and the LCM of 12 and 8:** ( 2 )

12
2  6
2  3

8
2  4
2  2

..................................................
..................................................
..................................................
..................................................
..................................................

**4** **Answer each of the following:**

**a** **Estimate the sum using benchmark numbers:**

$0.592 + 0.481 =$ ........................

**b** **Estimate the sum of the following using front-end estimation strategy:**

$5.227 + 0.981 =$ ........................

**c** There are **6.5 liters** of milk and **1,814 milliliters** of water in a pot.

**How much liquid is in the pot in liters?**

........................................................................................................................

# Answers

## Model (1)

**1** **Complete each of the following:**

**5**

**a** In the number  675.97 the digit 6 is in the **hundreds** place. Its value is **600** .

**b** 0.528 = **5** tenths, **2** hundredths, **8** thousandths.

**c** 427 + 0.08 + 0.006 = **427.086**     (in the standard form)

**d**  The prime factors of 20 are:  **2** , **2** , **5**

**e** The variable in the equation $x + 5 = 9$ is $x$

**2** **Choose the correct answer:**

**5**

**a** What would the number 3.263 become if it were increased by a factor of 10?

- 3.263     - 0.3263     - 326.3     - **32.63**

**b** Five thousand, two hundred and twenty-three thousandths = ..........................

- 5,200. 230     - 5,200. 23     - 520.023     - **5,200.023**

**c** 381.657 ≈ .................... ( to the nearest hundredth)

- 381.667     - 400     - **381.66**     - 381.60

**d** The GCF for the pair ( 30 , 25 )  is ....................

- 25     - **5**     - 10     - 3

**e** ...... is a factor of the number 35

- 2     - 3     - **5**     - 6

**3** **Solve each of the following problems:**

**3**

**a** **Estimate using rounding to the nearest hundredths:**

8.321 − 15.369 = ........................     **8.32 + 15.37 = 23.69**

**b** **Estimate the difference using benchmark numbers:**

12.761 − 6.217 = ........................     **12.75 − 6.25 = 6.50**

**4** **Solve the following equation using bar model:**

$3.41 + y = 6.27$

| 6.27 | |
|:---:|:---:|
| 3.41 | y |
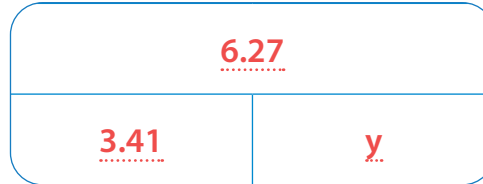
$y = 6.27 - 3.41$

$y = 2.86$

## Model (2)

**1** **Complete each of the following:**

**a** In 43,125.86 the digit 8 is in the **tenth** place. Its value is **0.8**

**b** Eighty-four thousand and twenty-seven hundredths = **84,000.27** (In the standard form)

**c** The value of the digit 3 in the number 8,476.23 is **0.03**

**d** **6,966.34** = 6,000 + 900 + 0.3 + 60 + 0.04 + 6

**e** The number 8,476.23 ≈ **8,476.2** ( to the nearest tenths)

**2** **Choose the correct answer:**

**a** 59.16 .......... 59.6

● **<**              ● >              ● =              ● otherwise

**b** 562.8935 ≈ ....................(to the nearest thousandth)

● **562.894**       ● 562.8945       ● 562.8935       ● 6.000

**c** The sum of 462 and 11.2 has ..................... decimal place(s).

● **1**              ● 2              ● 3              ● 0

**d** If 8.675 – Z = 4.72, then Z = .....................

● 4.603           ● **3.955**           ● 3.950           ● 4.955

**e** The LCM of 4 and 8 is .....................

● 4              ● 16              ● **8**              ● 24

**3** **Arrange each of the following ascendingly:**

**a** 6.12 , 6.6 , 6.3 , 6.091

**The order: 6.091 , 6.12, 6.3 , 6.6**

**b** Estimate each number by rounding, to nearest tenths, then find their sum:

2.85 + 3.156 = .........................              **2.9 + 3.2 = 6.1**

**4** **Fill in the bar model, then find the solution:**

$2.456 + x = 7.382$

| 7.382 | |
|:---:|:---:|
| 2.456 | $x$ |

$x = 7.382 - 2.456$

$x = 4.926$

**1** **Complete each of the following:**

**5**

**a** The digit in the hundredths place in the number 638.52 is **2** and its value is **0.02**

**b** 479.81 ≈ **480** (to the nearest whole number)

**c** 2 hundredths + 93 thousandths = **113** thousandths

**d** Nine thousand five hundred thirty-two and four hundred nine thousandths in the standard form is **9,532.409**.

**e** The GCF of 6 and 10 is **2**

**2** **Choose the correct answer:**

**5**

**a** $0.174 \approx 0.17$ to the nearest ......................

- tenth
- **hundredth**
- hundred
- thousandth

**b** The smallest number in each of the following is ...............

39.02 , 39.2 , 39.210 , 40.0

- 40.0
- 39.210
- **39.02**
- 39.2

**c** Which choice represents the correct rounding of 7,999.52 to the nearest ones?

- 7,000
- **8,000**
- 7,999
- 8,1000

**d** The LCM for the numbers 12 and 20 is ......................

- 4
- 6
- 20
- **60**

**e** The value of M in the equation M-2 = 6 is ......................

- 4
- 5
- **8**
- 3

**3** **Find the GCF and the LCM of 12 and 8:**

**2**

```
        12                    8
       /  \                  / \
      2    6                2    4
          / \                   / \
         2   3                 2   2
```

$$12 = 2 \times 2 \times 3$$
$$8 = 2 \times 2 \times \phantom{3} 2$$

**GCF = 2 × 2 = 4**

**LCM = 2 × 2 × 3 × 2**

**= 4 × 6 = 24**

**4** **Answer each of the following:**

**a** **Estimate the sum using benchmark numbers:**

0.592 + 0.481 = ....................        0.5 + 0.5 = 1 whole

**b** **Estimate the sum of the following using front-end estimation strategy:**

5.227 + 0.981 = ....................        5 + 0.9 = 5.9

**c** There are **6.5 liters** of milk and **1,814 milliliters** of water in a pot.

**How much liquid is in the pot in liters?**

The quantity of liquid = 6.5 L+ 1.814 L = 8.314 liters

الصف الخامس الابتدائي | الصف الرابـع الابتدائي

Connect | Science | Maths | الرياضيـات | العلـــوم | الدراسات الاجتماعية | التربية الدينية الإســلامية | اللغـة العربيـة

مراجعة الشاطر على امتحان أكتوبر

مراجعة الشاطر على امتحان نوفمبر

مراجعة الشاطر على امتحان نصف العام

# Test (1)

**1** Choose the correct answer:

**1** $978.4852 \approx 978.4900$ (to the nearest .............................. ).

    **a** Thousandth    **b** Tenth    **c** Hundredth

**2** If the value of the digit 6 is 0.006, the place value of the digit 6 is ....................

    **a** 6    **b** tenth    **c** hundredth    **d** thousandth

**3** One of the multiples of the digit 9 is ............................... .

    **a** 3    **b** 19    **c** 27    **d** 39

**4** The (G.C.F) of (36 , 45) is ............................ .

    **a** 3    **b** 6    **c** 9    **d** 12

---

**2** Complete the following:

**a** 3 thousandths = ............................

**b** The number 0.56 is read as ........................................................ .

**c** $652 \frac{274}{10,000} \approx$ ...........................(to the nearest Thousandth)

**d** $0.\text{.......} = \frac{750}{\text{.....}} = 0.75 = \frac{75}{\text{.....}}$

---

**3** Find the actual result, estimated result and rounding result for each of the following:

| The actual value | The estimation | Rounding to the nearest Tenth |
|---|---|---|
| 728.53 | ...................... | ...................... |
| $+$ 39.16 | $+$ .................. | $+$ .................. |
| .................. | ...................... | ...................... |

---

**4** Match each number from (A) and (B) to the result rounded to the nearest One:

(A)     Rounding to the nearest One     (B)

| (A) | Rounding to the nearest One | (B) |
|---|---|---|
| 76.35 | 42 | 76.46 |
| 42.72 | 77 | 42.83 |
| 77.09 | 43 | 41.53 |
| 41.79 | 76 | 77.47 |

نبدعنا

# Test (2)

**1** **Choose the correct answer:**

**1** Eman wrote this expression 187 + 146.5 = M. These two numbers represent the height of the Great Pyramid and the height of the Cairo Tower. What does the letter M represent?

- **a** The Great height.
- **b** The distance between the Cairo Tower and the Great Pyramid.
- **c** The difference between the heights of the Cairo Tower and the Great Pyramid.
- **d** The sum of heights of the Cairo Tower and the Great Pyramid.

**2** All of the numbers ........................... are divisible by 3.

- **a** 13 , 27 , 15
- **b** 21 , 15 , 72
- **c** 29 , 30 , 18
- **d** 300 , 18 , 43

**2** **Solve the following equations using bar models:**

**a** 6.325 + L = 12.48

| ........................ |  |
|------------------------|------------------|
| 6.325 | ............... |

L = ........................

**b** 48.54 − K = 16.918

| ........................ |  |
|------------------------|------------------|
| ............... | ............... |

K = ........................

**c** N − 17.42 = 3.58

| ........................ |  |
|------------------------|------------------|
| ............... | ............... |

N = ........................

**3** **Put a (✓) for the correct statement and a (✗) for the incorrect statement:**

- **a** 0.25 − 0.2 = 0.5                                                    (   )
- **b** 7.8 < 8 + 0.7                                                         (   )
- **c** $43\frac{6}{1,000}$ = 43.006                                         (   )
- **d** $\frac{8}{5}$ = 0.16                                                    (   )

| الصف الخامس الابتدائي | الصــف الرابـع الابتدائي |
|---|---|

| Connect | Science | Maths | الرياضيـات | العلـــوم | الدراسات الاجتماعية | التربية الدينية الإســـلامية | اللغـة العربيـة |

مراجعة الشاطر على امتحان أكتوبر

**4** **First: All of the following statements are correct except:**

ⓐ If the digit in the decimal moves one place to the right, its value decreases by 10 times.

ⓑ If the digit in the decimal moves two places to the right, its value decreases by 100 times.

ⓒ If the digit in the decimal moves one place to the right, its value increases by 10 times.

ⓓ If the digit in the decimal moves three places to the right, its value decreases by 1,000 times.

**Second: The factors of K are (2, 3, 7) and the factors of N are (2, 3, 5). Find:**

ⓐ (G.C.F) of K , N.

ⓑ (L.C.M) of K , N.

Solution: K = ...............................        N = ...............................

      (G.C.F) = ...............................        (L.C.M) = ...............................

مراجعة الشاطر على امتحان نوفمبر

مراجعة الشاطر على امتحان نصف العام

الصف الخامس الابتدائي | الصف الرابع الابتدائي

| Connect | Science | Maths | الرياضيات | العلــوم | الدراسات الاجتماعية | التربية الدينية الإســــلامية | اللغــة العربيــة |

# Test (3)

**1** Choose the correct answer:

**1** The number: 3,764.3649 ≈ ............................ (to the nearest Thousandth).

  **a** 3,764.364      **b** 3,764.365      **c** 3,764.4      **d** 4,000

**2** The prime number is the number which has ...............................

  **a** four factors only          **b** two factors only

  **c** three factors only         **d** one factor only

**3** 3 milliard, three hundred and seventy-five thousandths = ............................... .

  **a** 3,000,375              **b** 300,000.375

  **c** 3,000,000,000.375      **d** 3,000,000.375

---

**2** Complete the factor tree and write the decomposing of the number of its prime factors:

**a**
45
3    .....
.....    .....

**b**
98
2    .....
.....    .....
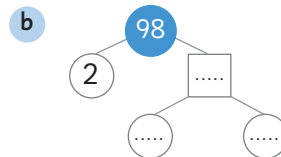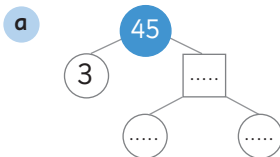
**a** The prime factors of 45 are .................................................

**b** The prime factors of 98 are .................................................

---

**3** Write a mathematical expression equivalent to the model and use the model to find the value of the mathematical expression:
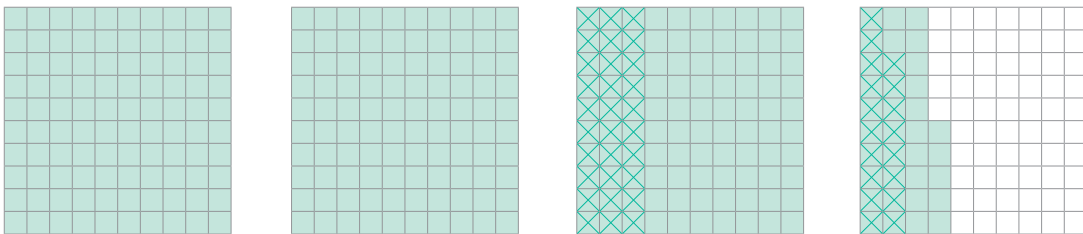
The mathematical expression: .................. − .................. = ..................

---

**4** The weight of an empty truck is 4,500 kilograms, and is loaded with boxes of mineral water. Its weight became 5,216.72 kilograms. What is the weight of the boxes?

The weight of the boxes = .................................................................................

                   = ................................................................... kilograms.

# Test (4)

**1** Choose the correct answer:

**1** (L.C.M) of (7, 8) is ............................... .

   **a** 65      **b** 15      **c** 56      **d** 112

**2** (2, 3, 3) are the prime factors of the number ............................... .

   **a** 12      **b** 18      **c** 15      **d** 8

**3** The place value of the digit 9 in the number 452.379 is ............................... .

   **a** 0.09      **b** thousandth      **c** 0.009      **d** hundredth

**4** (G.C.F) of (16 , 24) is ............................... .

   **a** 8      **b** 16      **c** 24      **d** 48

**2** Complete the following:

**a** 73 thousandths = ............................... .

**b** The number: 2.57 is read as ............................... .

**c** $379.95 \approx$ ............................... (to the nearest Tenth).

**d** $5.9734 \approx 5.9730$ (to the nearest ...............................).

**3** Match the equal results:

| 0.15 | $1{,}500 \div 1{,}000$ | $\dfrac{15}{1{,}000}$ |
|---|---|---|
| 0.015 | $1.5 \div 10$ | $\dfrac{150}{100}$ |
| 1.5 | $0.15 \div 10$ | $\dfrac{15}{100}$ |

**4** Solve the following equations using bar models:

**a** $23.518 + K = 25$

| ............................... | |
|---|---|
| ............................... | ............................... |

K = ...............................

**b** $Y - 0.765 = 18.235$

| ............................... | |
|---|---|
| ............................... | ............................... |

Y = ...............................

مراجعة الشاطر على امتحان أكتوبر

مراجعة الشاطر على امتحان نوفمبر

مراجعة الشاطر على امتحان نصف العام

# Test (5)

**1** Choose the correct answer:

**❶** (L.C.M) of (25 , 35) is ............................ .

    **a** 5         **b** 25         **c** 35         **d** 175

**❷** Hayat wants to write an equation with a variable to represent (35.9 plus a number equals 40), which of the following equations will be correct?

    **a** $k = 40 + 35.9$   **b** $35.9 + k = 40$   **c** $40 + k = 35.9$   **d** $40 - k = 35.9$

**❸** (G.C.F) of (9, 12, 15) is ............................ .

    **a** 3         **b** 9         **c** 12         **d** 180

**❹** $9.38 - 8.98 \bigcirc 1 - 0.6$

    **a** >         **b** <         **c** =

---

**2** First: Reorder the following set of numbers ascendingly:

$$6.52 \ , \ 65.2 \ , \ 0.652 \ , \ 6.052$$

The ascending order : ..................... , ..................... , ..................... , .....................

**Second: Use different methods to decompose the number:** 73.85.

    **a** The first method (the expanded form): .............................................................

    **b** The second method: .............................................................

    **c** The third method: .............................................................

---

**3** First: Is the equation $K = 55 + 54 - 12 \times 9$ equivalent to the equation $Y = 0.64 + 0.36$?     ( Yes     No)

**Second: Solve the following equations:**

    **a** $0.36 + Y = 1$         Y = .............................................

    **b** $K - 3.18 = 0.82$         K = .............................................

    **c** $28.24 + L = 30.46$     L = .............................................

---

**4** Two pieces of cloth: the first is 5.6 decimeters wide and the second is 42 centimeters wide. The two pieces were divided into strips with equal widths. What is the width of these strips in centimeters?

.............................................................................................................................

الصف الخامس الابتدائي

الصف الرابع الابتدائي

| Connect | Science | **Maths** | الرياضيات | العلــوم | الدراسات الاجتماعية | التربية الدينية الإســـلامية | اللغة العربية |

مراجعة الشاطر على امتحان أكتوبر

# Test (6)

**1** Choose the correct answer:

**1** The value of the digit 5 in the number: 43.652 is ......................... .

a 0.005    b 0.5    c 0.05    d 5

**2** The number: 485.63 rounded to the nearest Tenth equals .................... .

a 490.0    b 486.0    c 485.6    d 500.0

**3** The decimal 0.085 is read as ........................................................ .

a eighty-five    b eighty-five hundredths

c eighty-five tenths    d eighty-five thousandths

**a** The least common multiple (L.C.M) of (6, 9) is .................. .

a 3    b 54    c 18    d 15

**2** Put the suitable sign (< , > or =):

a  6 − 2.05 ⬤ 1.25 + 2.7    b 99.89 − 90.9 ⬤ 10 − 1.01

c 58.003 − 57.03 ⬤ 1 + 0.973    d 7.9 + 2.3 ⬤ 11.7 − 1.3

**3** **First:** Put a (✓) for the correct equation and a (✗) for the incorrect equation:

a 0.9 − 0.40 = 0.5    (    )

b 6.7 < 7 + 0.6    (    )

c $215 \frac{30}{100} = 215.03$    (    )

d $\frac{7}{5} = 1 \frac{4}{10}$    (    )

**Second:** Is the equation y = 6.5 + 4.25 equivalent to the equation

k = 6.55 + 4.2?    ( Yes    No)

**4** **First:** Solve the following equations using bar models:

a 5.279 − M = 2.918    b 23.019 + R = 27.52

| ......................... |
| ......................... | ......................... |

M = .........................

| 27.52 |
| ......................... | ......................... |

R = .........................

الصف الرابع الابتدائي

الصف الخامس الابتدائي

| Connect | Science | Maths | الرياضيات | العلوم | الدراسات الاجتماعية | التربية الدينية الإسلامية | اللغة العربية |

مراجعة الشاطر على امتحان أكتوبر

مراجعة الشاطر على امتحان نوفمبر

مراجعة الشاطر على امتحان نصف العام

# Test (7)

**1 Choose the correct answer:**

**1** Which of the following represents an equation?

- **a** 5.2 + 15.8
- **b** y − 0.12
- **c** x − 0.12 = 30
- **d** 2.37 − 0.5

**2** 3.056 = ……………………… .

- **a** 3 + 56
- **b** 3 + 0.05 + 0.006
- **c** 30 + 0.5 + 0.006
- **d** 56 + 0.03

**3** The place value of the digit 3 in the number: 7.234 is ……………………… .

- **a** tens
- **b** hundredth
- **c** tenth
- **d** thousandth

**4** All of the following are prime numbers except ………………………… .

- **a** 17
- **b** 23
- **c** 27
- **d** 41

---

**2 First: Read the following mathematical phrases then classify them to "equations", "mathematical expressions" or "neither of them":**

- **a** 19.72 − 8.006
- **b** L = 2 × 17
- **c** k − 0.35
- **d** 35.16 − 19.9 = 15.26

**Second: Complete the factor trees by writing the missing prime factors:**

18 → 2 , ………
70 → ……… , 35
24 → ……… , 12

---
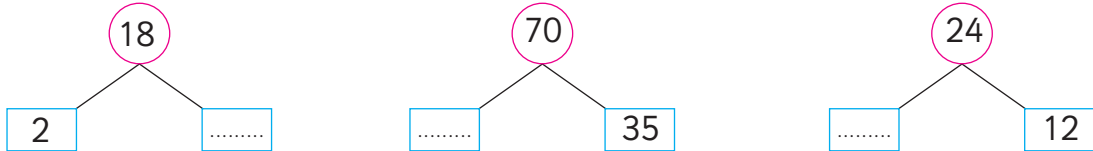
**3 a Write multiplies of the number: 3 that are included between 20 and 40.**

………………………………………………………………………………………………………

**b Write multiplies of the number: 4 that are included between 19 and 40 then find the common multiples of the numbers 3 , 4**

………………………………………………………………………………………………………

---

**4 A fruit seller put 9 pears on a plate and 7 apples on another plate. If he sells the same number of the two fruits, what is the smallest number he has sold of these fruits?**

………………………………………………………………………………………………………

## Test (8)

**1** **Choose the correct answer:**

**1** The greatest common factor (G.C.F) of (21, 42) is ..................................... .

   **a** 7     **b** 21     **c** 42     **d** 126

**2** (L.C.M) of all numbers is .............................. .

   **a** 0     **b** 1     **c** 2     **d** 10

**3** $375.92 \approx$ .............................. (to the nearest whole number)

   **a** 380     **b** 375.9     **c** 376     **d** 375

**4** $37 + 0.04 = 0.2 =$ ..............................

   **a** 37.06     **b** 37.6     **c** 37.24     **d** 37.42

---

**2** **First: Complete the following:**

**1** If the number: 17.419 decreases by the value of 1 tenth, it will be

   ........................... .

**2** $0.947 \approx$ .............................. (to the nearest Hundredth).

**3** $3.9543 \approx 3.9540$ (to the nearest .............................. ).

**Second:** Write two whole numbers including the following decimal number between them so that the difference between them is as small as possible:

.............. < 0.64 < ..............

---

**3** **Reorder the following set of numbers descendingly:**

   10.6 , 10.125 , 10.75 , 10.25 , 10.50

The descending order: .................... , .................... , .................... , .................... , ....................

---

**4** **First:** Find the result of the following by shading the minuend on the digital board and add X's to represent the subtrahend:

$2 - 0.58 =$ ....................

**Second:** Fayrouz trains every 12 days while Nilly trains every 8 days. They are training together today. How many days will pass until they train together again?

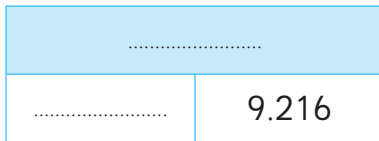..................................................................................................................

الصف الرابع الابتدائي | الصف الخامس الابتدائي

| Connect | Science | **Maths** | الرياضيات | العلــوم | الدراسات الاجتماعية | التربية الدينية الإســـلامية | اللغـة العربيـة |

مراجعة الشاطر على امتحان أكتوبر

## Test (9)

**1** **Choose the correct answer:**

**1** 36 hundredths + 37 hundredths ........................... .

   **a** 0.01    **b** 0.1    **c** 1    **d** 0.400

**2** If $y - 0.43 = 8$, then $y =$ ........................... .

   **a** 7.57    **b** 8.43    **c** 4.03    **d** 3.7

**3** The factors of the digit 6 are ........................... .

   **a** 2, 3    **b** 1, 2, 3    **c** 2, 3, 6    **d** 1, 2, 3, 6

**4** $258.56 \approx$ ........................... (to the nearest Tenth)

   **a** 260    **b** 258    **c** 258.6    **d** 258.5

**2** **Complete the following:**

**a** $28.319 \times 10 =$ ...........................................

**b** $36.95 \div 10 \;\;=$ ...........................................

**c** $539.283 \;\;\;\;\;\; =$ ........................................... (to the nearest Hundredth)

**d** $327.85 - 99.237 =$ ...........................................

**3** **Solve the following equations using bar models:**

**a** $35.427 = K + 9.216$

| ........................... | |
|:---:|:---:|
| ........................... | 9.216 |

K = ...........................

**b** $R - 17.063 = 5.98$

| ........................... | |
|:---:|:---:|
| ........................... | ........................... |

R = ...........................

**4** **First: Put the suitable sign (<, > or =):**

**a** (G.C.F) of (5, 7) ⬤ (G.C.F) of (2, 6).

**b** (L.C.M) of (2, 3) ⬤ (L.C.M) of (3, 6).

**Second:** Find (G.C.F) for (2, 8) then write a number greater than 40 so that it is a common multiple of (2, 8) and also a multiple of the product of their multiplying.

...............................................................................................................................

مراجعة الشاطر على امتحان نوفمبر

مراجعة الشاطر على امتحان نصف العام

## Test (10)

**1** **Choose the correct answer:**

**1** 3.517 > ........................... .

a 3.518    b 3.715    c 3.009    d 3.6

**2** Which of the following is not a prime number?

a 11    b 17    c 18    d 7

**3** (L.C.M) of (12, 18) is ...........................

a 6    b 30    c 36    d 72

**4** The number of factors of 12 is ........................... .

a 2    b 4    c 6    d 8

---

**2** **Complete the following:**

a 16.035 = ............... + ............... + ............... + ...............

b If: K + 0.048 = 2.56    then K = ...........................

c 359.54 ≈ ........................... (to the nearest whole number)

---

**3** A piece of cloth is 14.56 m long. Another piece of cloth is 25.08 m long. How much longer is the second piece than the first?

........................................................................................................

........................................................................................................

---

**4** **Match each item in (A) to the equivalent decimal in (B):**

(A)            (B)

a thirty-six and seven hundredths   •    •  36.7

a 59.42 − 22.72 = ........................   •    •  37.6

c 15.41 + 22.19 = ........................   •    •  37.7

d 30 + 6 + 0.007 = ........................       36.07

e 93 − 55.3 = ........................       36.007

| الصف الخامس الابتدائي | | الصف الرابع الابتدائي |

| Connect | Science | **Maths** | الرياضيات | العلــــوم | الدراسات الاجتماعية | التربية الدينية الإســلامية | اللغة العربية |

# Answers

## Test 1

**1** **1** c        **2** d        **3** c        **4** c

**2** **a** 0.003      **b** fifty-six hundredths      **c** 652.0274 ≈ 652.027      **d** $0.750 = \frac{750}{1,000} = \frac{75}{100}$

**3** The actual value = 767.69        The estimation: 730 = 30 + 700        The rounding: 767.7

**4** 76.35 ≈ 76 ≈ 76.46  ,  42.72 ≈ 43 ≈ 42.83  ,  77.09 ≈ 77 ≈ 77.47  ,  41.79 ≈ 42 ≈ 41.53

## Test 2

**1** **1** d        **2** b

**2** $a = 6.155$  ,  $b = 31.622$  ,  $c = 21$

**3** a) ✗        b) ✓        c) ✓        d) ✗

**4** First: c        Second: K = 42 , N = 30      **a** (G.C.F) = 6      **b** (L.C.M) = 210

## Test 3

**1** **1** b        **2** b        **3** c

**2** **a** 3 , 3 , 5      **b** 2 , 7 , 7

**3** 3.35 − 0.48 = 2.87

**4** Weight of boxes = 716.72 kg.

## Test 4

**1** **1** c        **2** b        **3** b        **4** a

**2** **a** 0.073      **b** two and seventy-five hundredths      **c** 380.0      **d** thousand

**3** $0.15 = 1.5 ÷ 10 = \frac{15}{100}$  ,  $0.015 = 0.15 ÷ 10 = \frac{15}{1,000}$  ,  $1.5 = 1,000 ÷ 1,500 = \frac{150}{100}$

**4** **a** K = 1.482      **b** Y = 19

## Test 5

**1** **1** d        **2** b        **3** a        **4** c

**2** First: 0.625 , 6.052 , 6.52 , 65.2

Second: **a** 70 + 3 + 0.8 + 0.05      **b** 73 + 0.85      **c** 70 + 3.85

**3** First: Yes        Second: a) Y = 0.64      b) K = 4      c) L = 2.22

**4** 5.6 dm = 56 cm  ,  Width = 7 cm

## Test 6

**1** ① c  ② c  ③ d  ④ c

**2** ⓐ =  ⓑ =  ⓒ <  ⓓ <

**3** First: ⓐ ✓  ⓑ ✓  ⓒ ✗  ⓓ ✓    Second: Yes

**4** ⓐ 2.361  ⓑ R = 4.051

## Test 7

**1** ① c  ② b  ③ b  ④ c

**2** First:  ⓑ equations    ⓓ mathematical expressions    ⓐ , ⓒ neither of them

   Second: ⓐ 2 , 3 , 3    ⓑ 2 , 5 , 7    ⓒ 2 , 2 , 2 , 3

**3** ⓐ 21 , 24 , 27 , 30 , 33 , 36 , 39

   ⓑ 20 , 24 , 28 , 32 , 36    (L.C.M) for (4 , 3 ) is 24

**4** 64

## Test 8

**1** ① b  ② a  ③ c  ④ c

**2** First: ⓐ 17.319  ⓑ 0.95  ⓒ thousand    Second:1 , 0

**3** 10.75 , 10.6 , 10.50 , 10.25 , 10.125

**4** First: 1.42    Second: 24 days.

## Test 9

**1** ① c  ② b  ③ d  ④ c

**2** ⓐ 283.19  ⓑ 3.695  ⓒ 593.28  ⓓ 228.613

**3** ⓐ K = 26.211  ⓑ R = 23.043

**4** First: ⓐ >  ⓑ =    Second: (G.C.F) = 48 , 2

## Test 10

**1** ① c  ② c  ③ c  ④ c

**2** ⓐ 10 + 6 + 0.03 + 0.005    ⓑ K = 2.512  ⓒ 360

**3** 10.25 meters.

**4** ⓐ 36.07  ⓑ 36.7  ⓒ 37.6  ⓓ 36.007  ⓔ 37.7